

Title (en)
SURFACE TREATMENT DEVICE

Title (de)
OBERFLÄCHENBEHANDLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE TRAITEMENT DE SURFACE

Publication
EP 3165145 A1 20170510 (EN)

Application
EP 16184696 A 20140110

Priority
• GB 201300526 A 20130111
• EP 14700761 A 20140110

Abstract (en)
A surface treatment device comprising: a body and a cleaning head for cleaning a surface by application of a treatment liquid thereto and removal of at least a substantial portion of the liquid therefrom; wherein the cleaning head comprises: a rotatably driveable agitator member and a motor spaced from the agitator member for driving the agitator member by way of a drive train, wherein the motor and agitator member are able to move together, in use, upwardly and downwardly relative to a housing of the cleaning head, and wherein at least a part of the cleaning head is detachable from the body of the device, and replaceable by a cleaning head or part of a different configuration from that of the first said head or part.

IPC 8 full level
A47L 5/30 (2006.01); **A47L 7/00** (2006.01); **A47L 9/04** (2006.01); **A47L 9/32** (2006.01); **A47L 11/40** (2006.01)

CPC (source: EP GB US)
A47L 5/30 (2013.01 - EP US); **A47L 7/00** (2013.01 - GB); **A47L 7/0004** (2013.01 - GB US); **A47L 7/0023** (2013.01 - GB US); **A47L 9/0411** (2013.01 - EP US); **A47L 9/0444** (2013.01 - EP US); **A47L 9/0494** (2013.01 - EP US); **A47L 9/325** (2013.01 - EP US); **A47L 11/00** (2013.01 - GB); **A47L 11/29** (2013.01 - GB); **A47L 11/292** (2013.01 - GB); **A47L 11/302** (2013.01 - GB); **A47L 11/307** (2013.01 - GB); **A47L 11/34** (2013.01 - GB); **A47L 11/4041** (2013.01 - EP US); **A47L 11/4075** (2013.01 - EP GB US); **A47L 11/408** (2013.01 - EP US); **A47L 11/4088** (2013.01 - GB); **A47L 11/4094** (2013.01 - EP US); **A47L 17/00** (2013.01 - GB)

Citation (search report)
• [A] US 5991951 A 19991130 - KUBO NAOKI [JP], et al
• [A] EP 1252852 A2 20021030 - HOOVER LTD [GB]
• [A] DE 2651104 A1 19780518 - SIEMENS AG
• [A] EP 0243323 A2 19871028 - GREGORIO VITO DI [IT], et al
• [A] DE 3802256 A1 19891026 - KAERCHER GMBH & CO ALFRED [DE]
• [A] WO 2011100678 A2 20110818 - BISSELL HOMECARE INC [US], et al
• [A] WO 0141618 A1 20010614 - VIDONI MARIO [IT], et al
• [A] US 5465451 A 19951114 - STEGENS ALFRED H [US]
• [A] US 2012024658 A1 20120202 - FOX PAUL K [US]
• [A] EP 1639932 A2 20060329 - STEIN & CO GMBH [DE]
• [A] WO 2005111084 A2 20051124 - DYSON TECHNOLOGY LTD [GB], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014108694 A1 20140717; CN 105007791 A 20151028; EP 2943104 A1 20151118; EP 3165144 A1 20170510; EP 3165145 A1 20170510; GB 201300526 D0 20130227; GB 2512025 A 20140924; GB 2512025 B 20170301; US 2015351597 A1 20151210

DOCDB simple family (application)
GB 2014050065 W 20140110; CN 201480013629 A 20140110; EP 14700761 A 20140110; EP 16184684 A 20140110; EP 16184696 A 20140110; GB 201300526 A 20130111; US 201414760082 A 20140110